

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025558.D
 Acq On : 6 Aug 2018 17:02
 Operator : SY/MD
 Sample : J4243-01
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AD3

Quant Time: Aug 06 23:41:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 06 23:40:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	492230	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	460133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	229921	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	128432	4.21	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	2.64	69	110543	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	3.63	63	235081	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	6.60	46	109480	43.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.86%
24) Chloroform-d	7.21	84	244642	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.90	65	74744	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	7.86	84	537315	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	8.90	67	144970	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	9.97	98	538384	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.24	79	35070	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	10.59	63	149313	56.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84417	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	193883	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

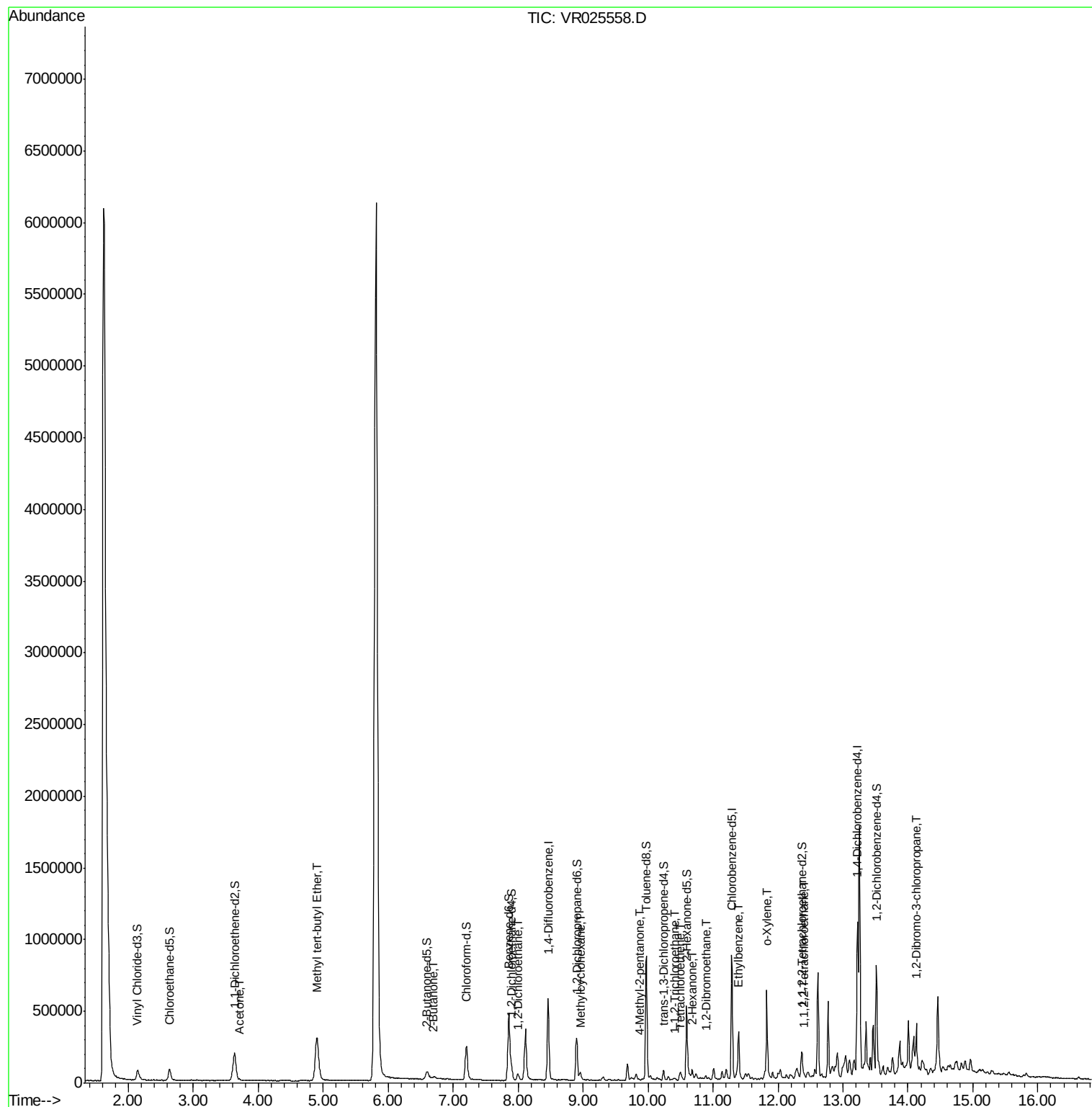
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	3.70	43	5486	2.589	ug/L	97
17) Methyl tert-butyl Ether	4.91	73	536505	15.202	ug/L	99
21) 2-Butanone	6.68	43	708	0.240	ug/L	82
27) 1,2-Dichloroethane	8.00	62	37067	1.907	ug/L #	80
35) Methylcyclohexane	8.96	83	20147	0.379	ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	2344	0.278	ug/L #	80
45) 1,1,2-Trichloroethane	10.41	97	4466	0.300	ug/L #	24
47) Tetrachloroethene	10.51	164	6515	0.215	ug/L	80
48) 2-Hexanone	10.67	43	6723	1.182	ug/L #	1
50) 1,2-Dibromoethane	10.89	107	15453	1.243	ug/L	79
52) Ethylbenzene	11.39	91	204502	1.242	ug/L	100
54) o-Xylene	11.83	106	158598	2.713	ug/L	93
58) 1,1,2,2-Tetrachloroethane	12.40	83	3145	0.223	ug/L #	60
66) 1,2-Dibromo-3-chloropropan	14.12	75	1003	0.567	ug/L #	29

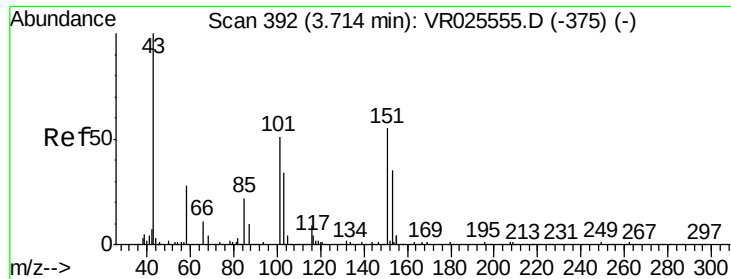
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 06 23:40:46 2018
Response via : Initial Calibration





#13

Acetone

Concen: 2.589 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.01 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

Instrument :

MSVOA_R

ClientSampled :

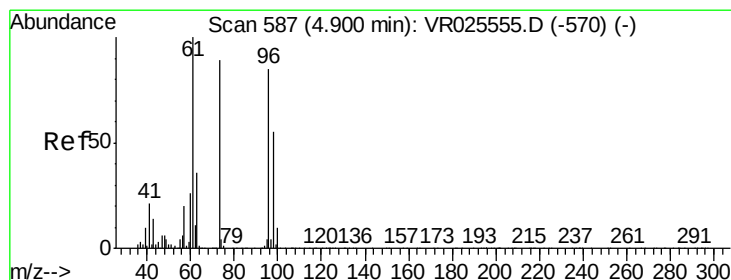
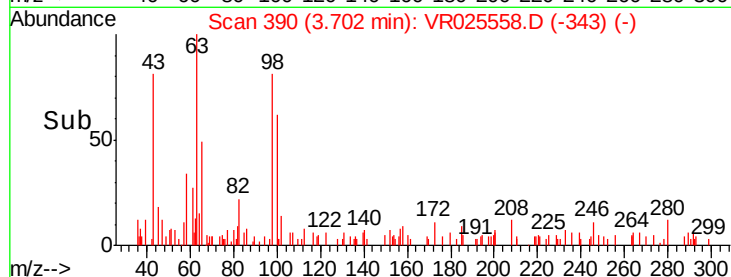
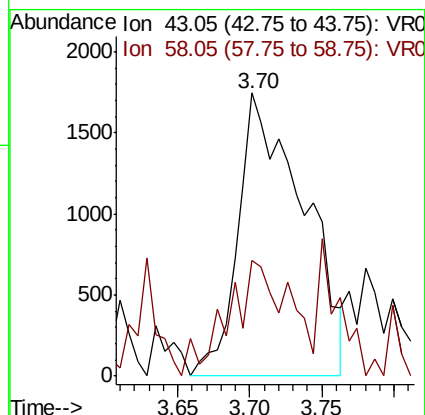
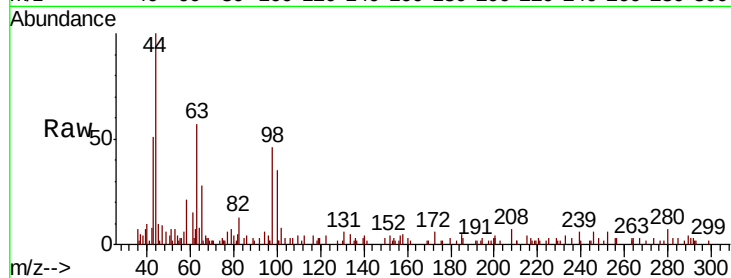
C0AD3

Tgt Ion: 43 Resp: 5486

Ion Ratio Lower Upper

43 100

58 28.4 0.0 53.4



#17

Methyl tert-butyl Ether

Concen: 15.202 ug/L

RT: 4.91 min Scan# 588

Delta R.T. 0.01 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

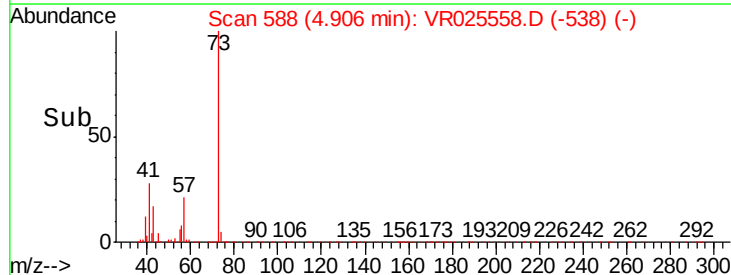
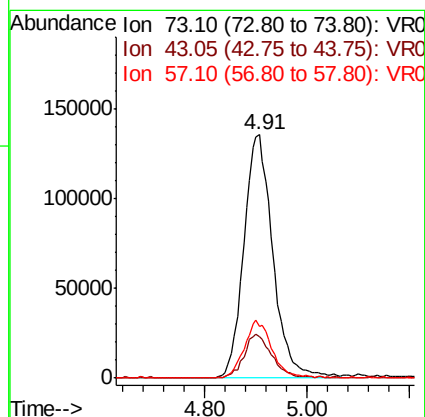
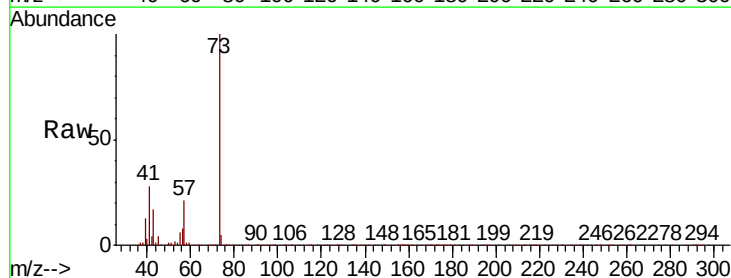
Tgt Ion: 73 Resp: 536505

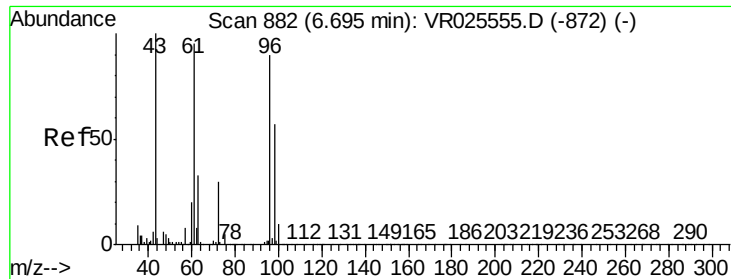
Ion Ratio Lower Upper

73 100

43 17.1 14.2 21.4

57 22.3 17.6 26.4

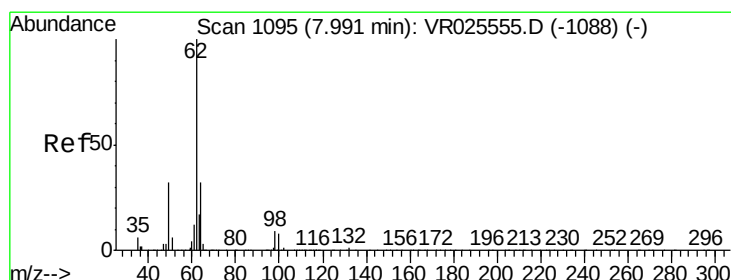
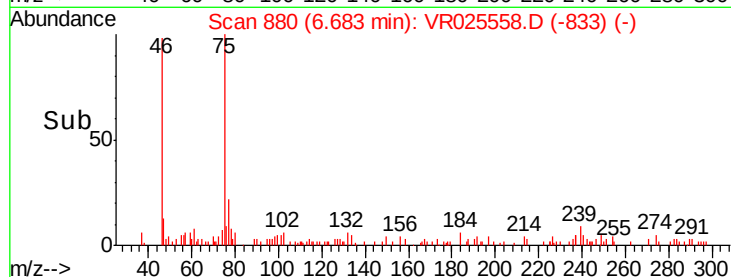
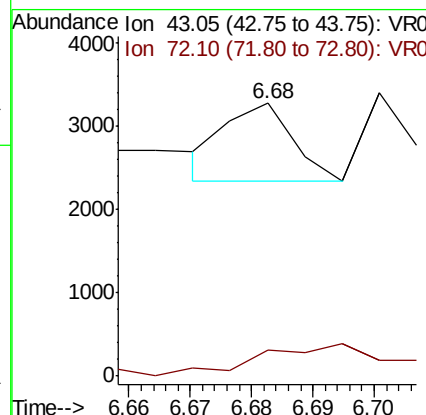
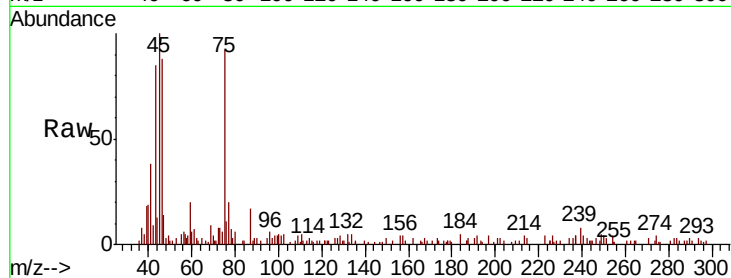




#21
2-Butanone
Concen: 0.240 ug/L
RT: 6.68 min Scan# 880
Delta R.T. -0.01 min
Lab File: VR025558.D
Acq: 6 Aug 2018 17:02

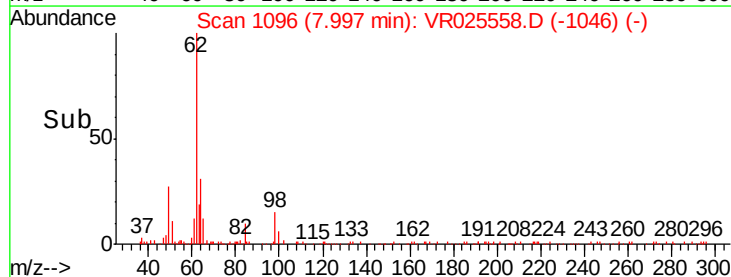
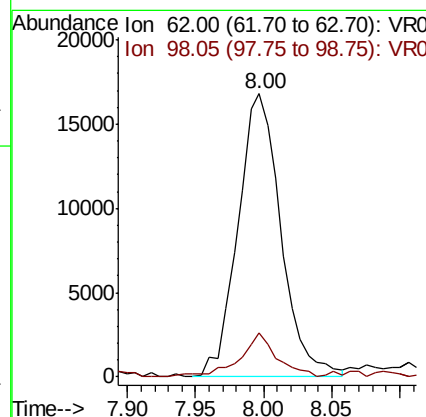
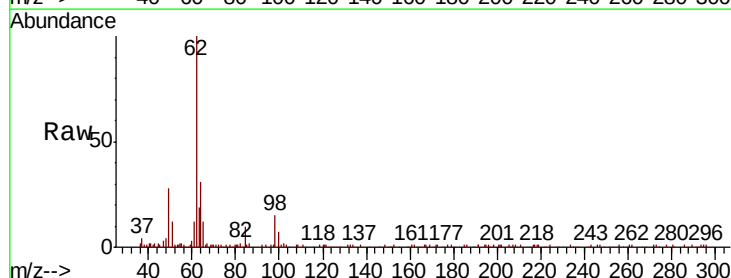
Instrument :
MSVOA_R
ClientSampleId :
C0AD3

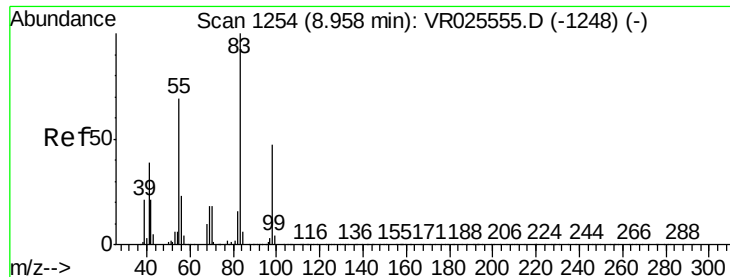
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
72 35.9 13.2 39.6



#27
1,2-Dichloroethane
Concen: 1.907 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VR025558.D
Acq: 6 Aug 2018 17:02

Tgt Ion: 62 Resp: 37067
Ion Ratio Lower Upper
62 100
98 15.5 6.6 9.8#





#35

Methylcyclohexane

Concen: 0.379 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

Instrument :

MSVOA_R

ClientSampled :

C0AD3

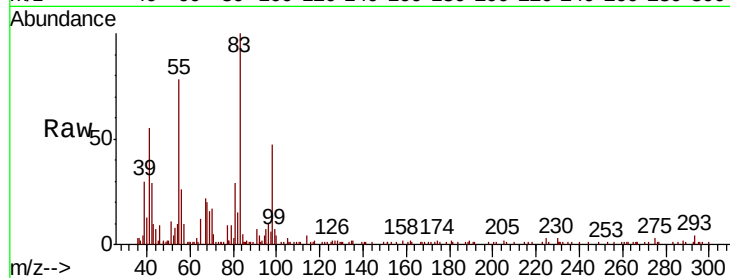
Tgt Ion: 83 Resp: 20147

Ion Ratio Lower Upper

83 100

55 79.1 58.3 87.5

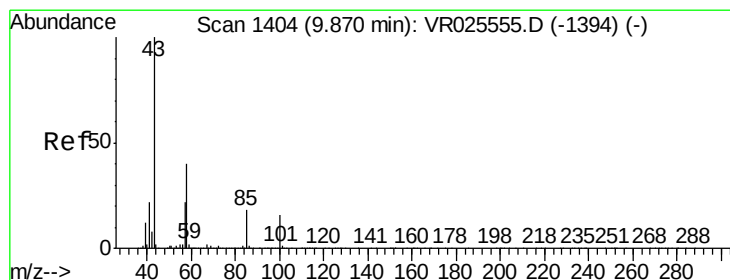
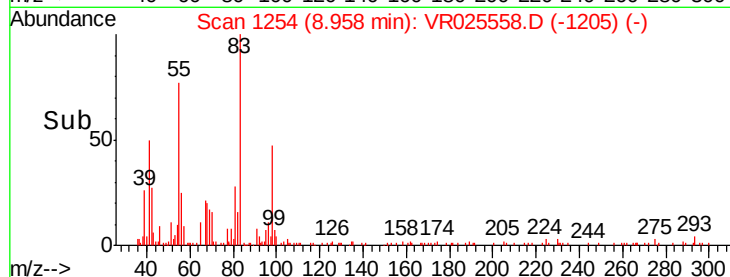
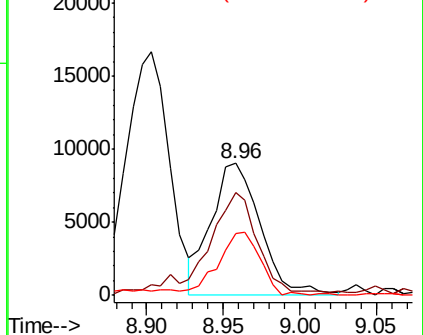
98 39.7 37.8 56.6



Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0



#40

4-Methyl-2-pentanone

Concen: 0.278 ug/L

RT: 9.87 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

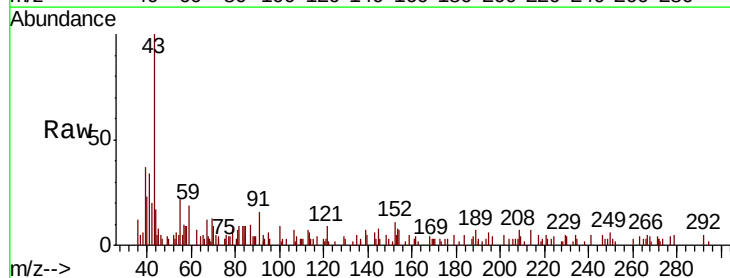
Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

43 100

58 30.2 31.0 46.6#

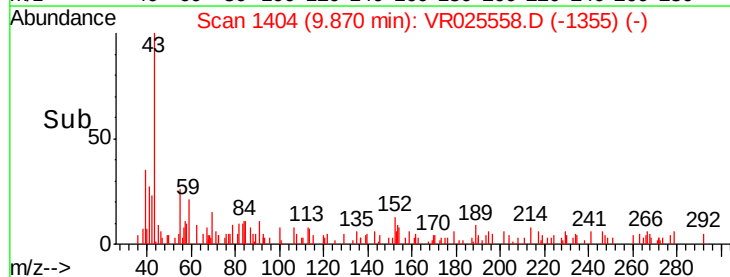
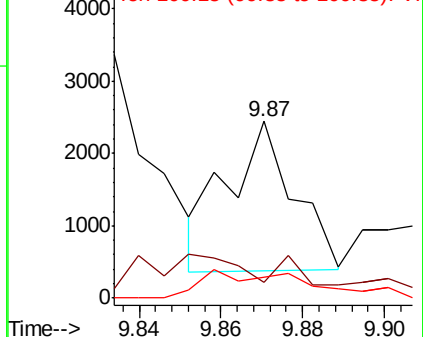
100 0.0 11.9 17.9#

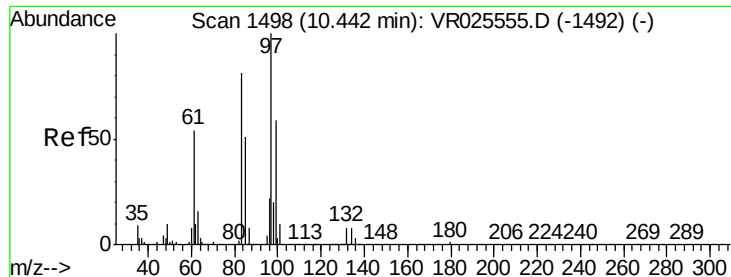


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

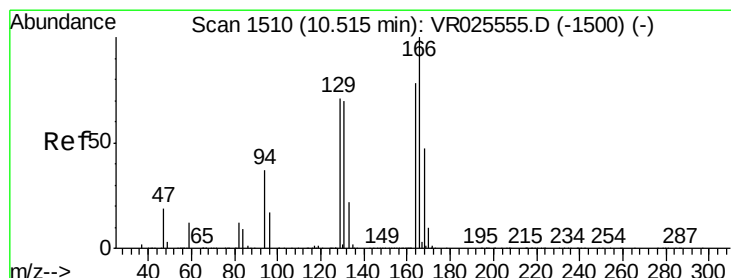
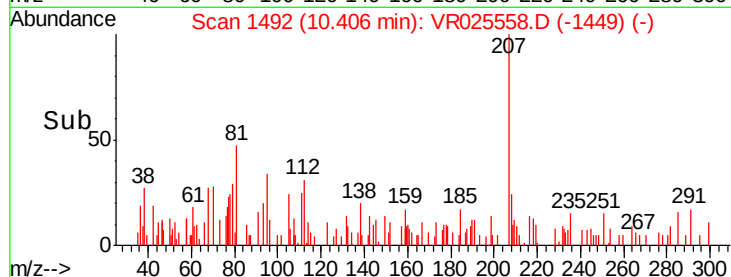
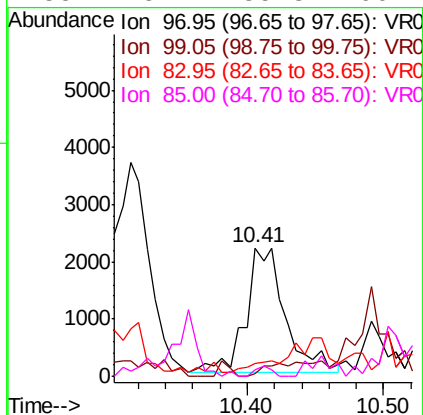
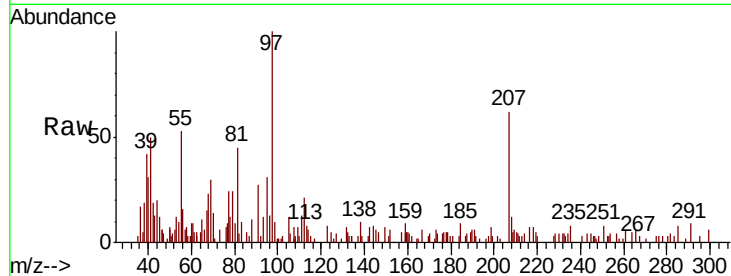




#45
 1,1,2-Trichloroethane
 Concen: 0.300 ug/L
 RT: 10.41 min Scan# 1492
 Delta R.T. -0.04 min
 Lab File: VR025558.D
 Acq: 6 Aug 2018 17:02

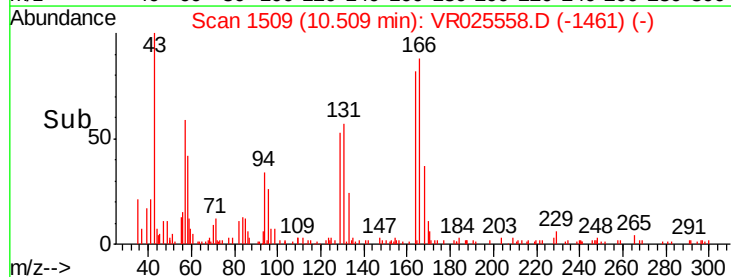
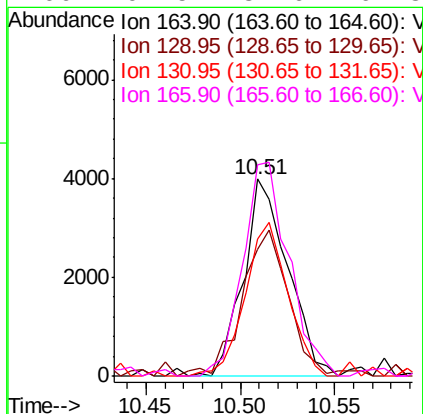
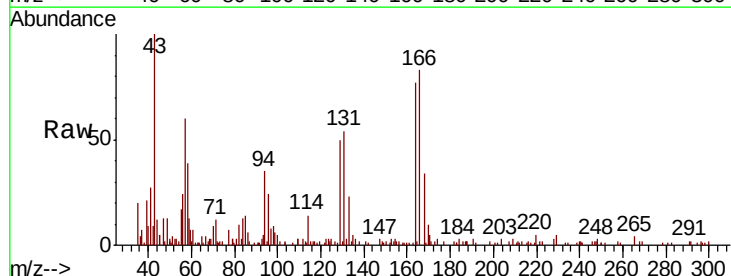
Instrument :
 MSVOA_R
 ClientSampleId :
 C0AD3

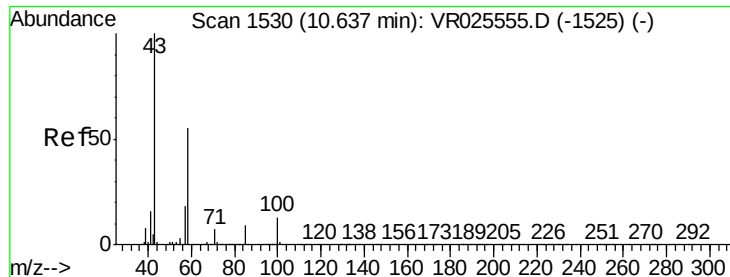
Tgt Ion:	97	Resp:	4466
Ion	Ratio	Lower	Upper
97	100		
99	2.4	43.4	80.6#
83	9.6	57.3	106.5#
85	5.4	35.8	66.4#



#47
 Tetrachloroethene
 Concen: 0.215 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025558.D
 Acq: 6 Aug 2018 17:02

Tgt Ion:	164	Resp:	6515
Ion	Ratio	Lower	Upper
164	100		
129	64.6	63.0	117.0
131	69.9	60.6	112.6
166	107.5	87.6	162.8

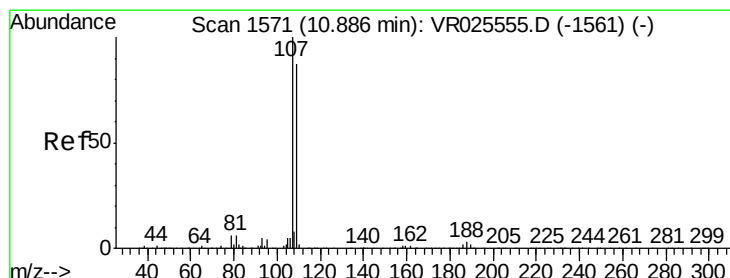
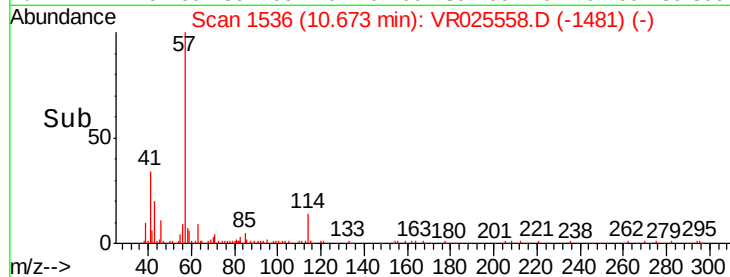
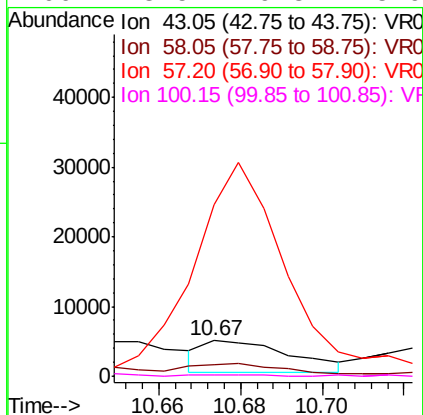
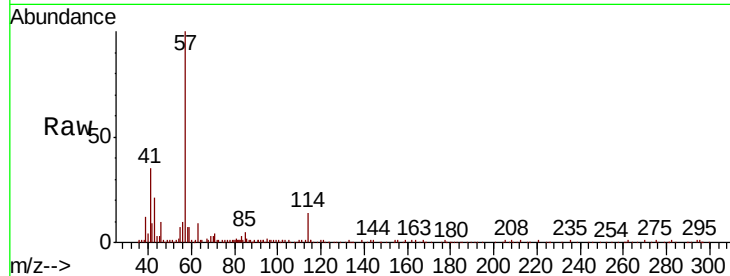




#48
2-Hexanone
Concen: 1.182 ug/L
RT: 10.67 min Scan# 1536
Delta R.T. 0.04 min
Lab File: VR025558.D
Acq: 6 Aug 2018 17:02

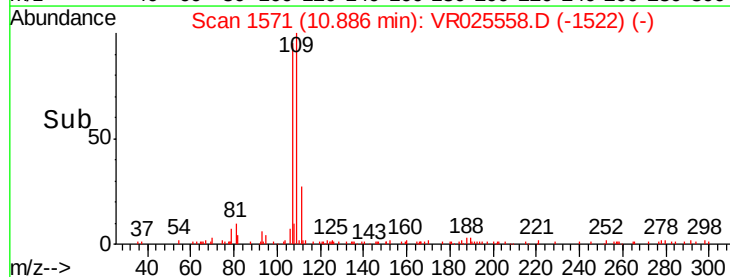
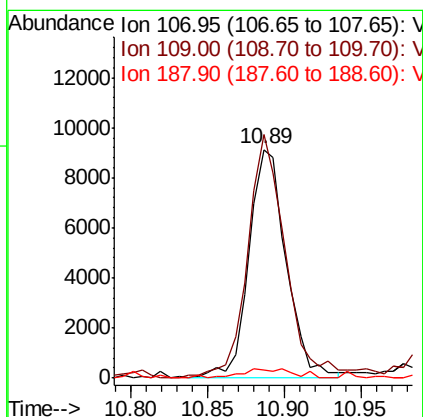
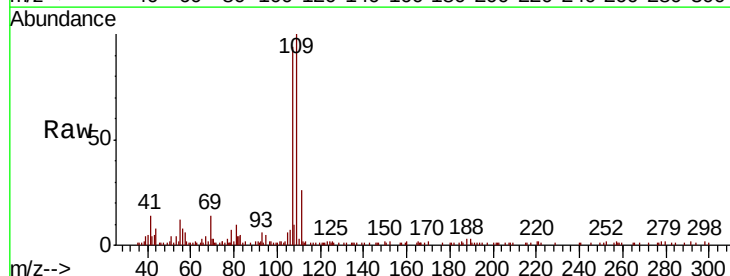
Instrument :
MSVOA_R
ClientSampled :
C0AD3

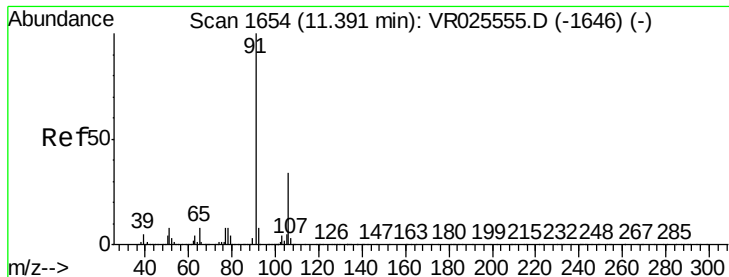
Tgt Ion:	43	Resp:	6723
Ion	Ratio	Lower	Upper
43	100		
58	35.2	45.0	67.6#
57	675.5	15.8	23.6#
100	3.5	9.3	13.9#



#50
1,2-Dibromoethane
Concen: 1.243 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025558.D
Acq: 6 Aug 2018 17:02

Tgt Ion:	107	Resp:	15453
Ion	Ratio	Lower	Upper
107	100		
109	106.6	60.6	112.6
188	3.5	2.4	3.6





#52

Ethylbenzene

Concen: 1.242 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

Instrument :

MSVOA_R

ClientSampleId :

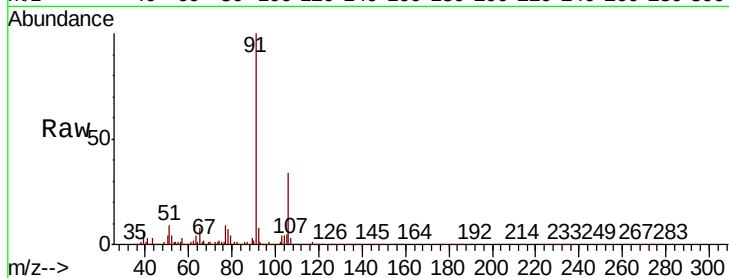
C0AD3

Tgt Ion: 91 Resp: 204502

Ion Ratio Lower Upper

91 100

106 33.7 23.6 43.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

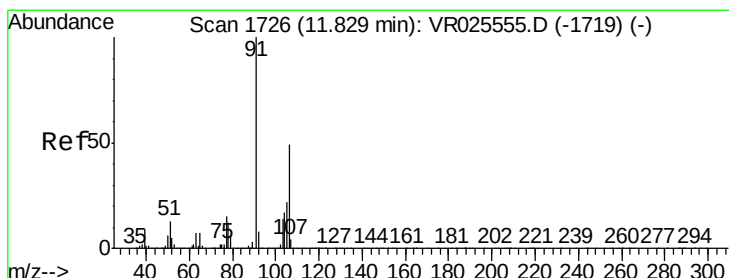
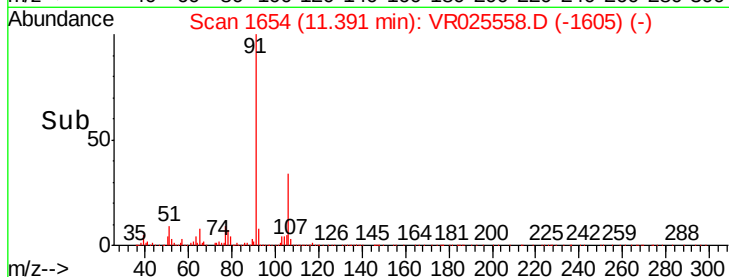
150000

100000

50000

0

Time-->



#54

o-Xylene

Concen: 2.713 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025558.D

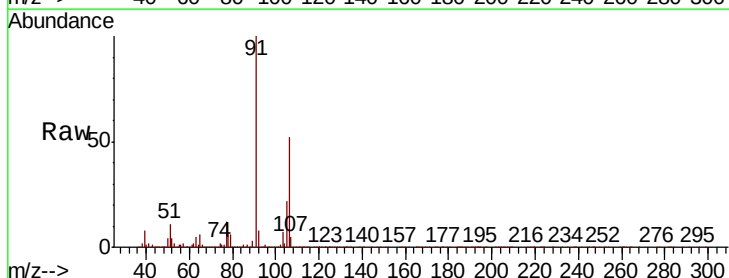
Acq: 6 Aug 2018 17:02

Tgt Ion: 106 Resp: 158598

Ion Ratio Lower Upper

106 100

91 193.6 143.0 265.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

250000

200000

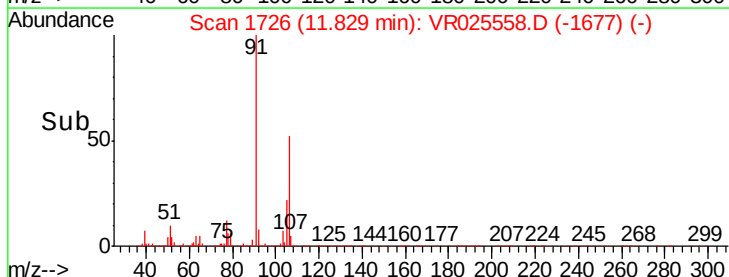
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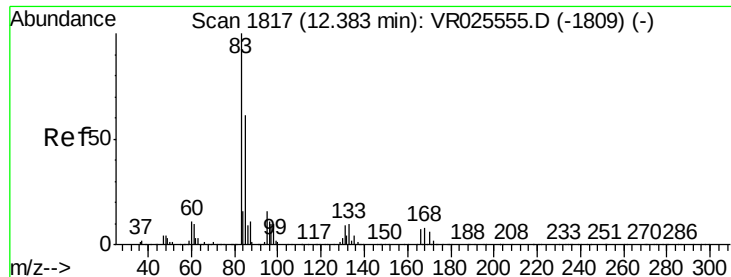
100000

50000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 0.223 ug/L

RT: 12.40 min Scan# 1820

Delta R.T. 0.02 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

Instrument :

MSVOA_R

ClientSampled :

C0AD3

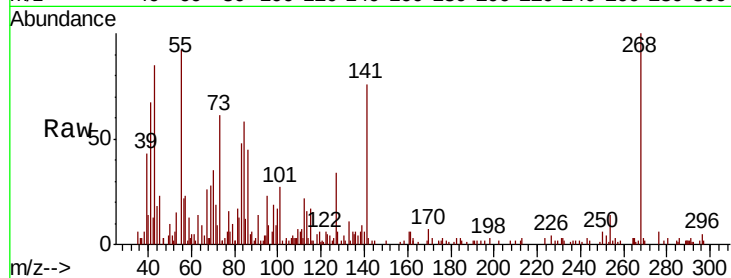
Tgt Ion: 83 Resp: 3145

Ion Ratio Lower Upper

83 100

85 24.9 42.5 78.9#

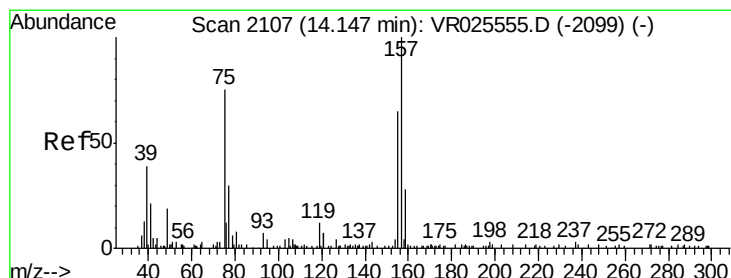
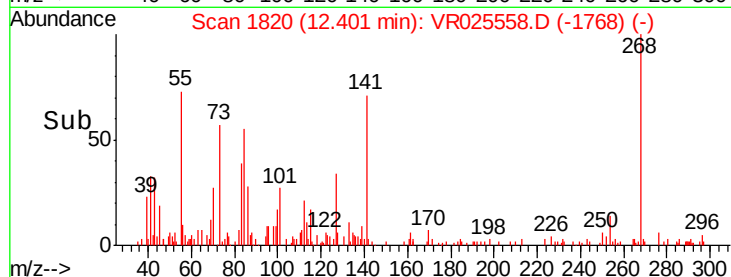
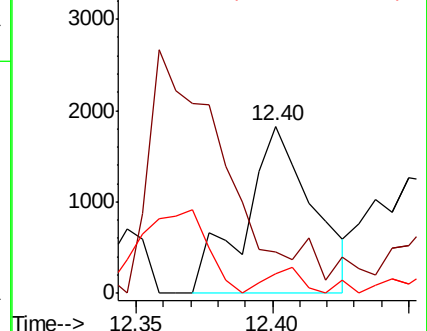
131 11.6 8.6 13.0



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.567 ug/L

RT: 14.12 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VR025558.D

Acq: 6 Aug 2018 17:02

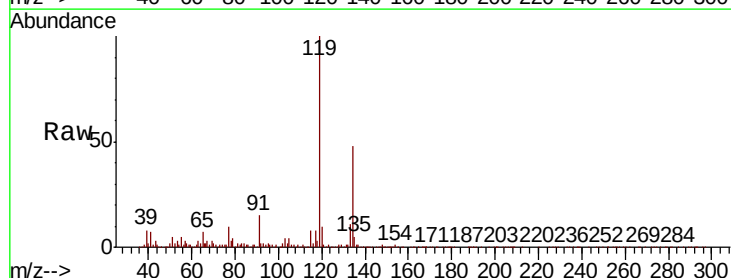
Tgt Ion: 75 Resp: 1003

Ion Ratio Lower Upper

75 100

155 16.5 62.3 93.5#

157 19.8 67.7 101.5#



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

